## IN THE CLAIMS

1. (currently amended) A telecommunications apparatus including comprising:
a substantially box-shaped subrack having a back wiring board mounting a
connector and mounted with first connectors;

a plurality of shell-type plug-in units configured to be inserted in into the subrack so that a second connector of each of the plug-in units is connected to the connector of the subrack, the telecommunications apparatus comprising: a corresponding one of the first connectors; and

a flexible, electrically conductive seal member elastically deformedly disposed between a lateral surface of the plug-in units that are unit inserted into the subrack and an interior portion of the subrack, said seal member being elastically deformed when a plug-in unit is inserted into the subrack and the second connector thereof is connected to the corresponding first connector so as to enclose both first and second connectors to provide a shield the plug in unit connector.

2. (currently amended) A telecommunications apparatus including comprising:

a substantially box-shaped subrack having including a back wiring board

mounting a connector having a surface mounted with first connectors; and

a plurality of shell-type plug-in units that are inserted in into the subrack so that a second connector of each of the plug-in units is connected to a corresponding one of the first connectors; the connector of the subrack,

wherein the subrack further comprises comprising:

a frame member comprising a substantially square metallic frame member,

a plurality of panes aligned within the frame so as to form substantially rectangular openings that accommodate and surround the back wiring board first connectors between adjacent panes, and

a flexible, electrically conductive seal member covering the frame member and the panes,

wherein the frame member is being fixedly mounted on the a surface of the back wiring board disposed opposite the inserted edge of the plug-in unit,

wherein a portion of a lateral surface of the plug-in unit that is inserted into the subrack and surrounding the plug-in unit each second connector pressing against the frame member so as to elastically deform the seal member and close the openings when the plug-in unit is inserted into the subrack, and thereby to enclose the first and second connectors to provide a shield.

3. (currently amended) The telecommunications apparatus as claimed in claim 2, wherein:

the openings in the frame member are oblong shaped; and

the seal member has a flange portion on a side of the seal member disposed opposite an inserted end of the plug-in unit confronting the surface of the back wiring board,

the flange portion entering an interior of the oblong opening.

**4.** (currently amended) The telecommunications apparatus as claimed in claim 2, wherein:

the openings in the frame member are oblong shaped;

the seal member has a flange portion on a side of the seal member confronting the surface of the back wiring board disposed opposite an inserted end of the plug-in unit, the flange portion entering an interior of the oblong opening; and

a lateral surface of the plug-in unit that is inserted into the subrack and that surrounds the plug-in unit connector having an oblong banked portion tapered at a periphery thereof,

the tapered surface of the oblong banked portion pressing the flange portion of the seal member, the seal member elastically deforming so as to conform to the tapered surface when the plug-in unit is mounted in the subrack.

5. (currently amended) The telecommunications apparatus as claimed in claim 2, wherein:

the seal member comprises a flange portion, provided on a surface of the seal member disposed opposite confronting the surface of the back wiring board[[,]] the flange portion and projecting from an edge of the oblong opening,

the flange portion <u>being</u> pressed against the <u>surface of the</u> back wiring board and elastically deformed when the frame member is fixedly mounted on the back wiring board.

6. (currently amended) The telecommunications apparatus as claimed in claim 2, wherein:

the seal member comprises, on a surface of the seal member disposed opposite confronting the surface of the back wiring board, a first flange portion projecting from an edge of the oblong opening, and a second flange portion projecting from a periphery of the frame member,

the first and second flange portions being pressed against the surface of the back wiring board and elastically deformed when the frame member is fixedly mounted on the back wiring board.

7. (currently amended) A telecommunications apparatus including comprising:
a substantially box-shaped subrack having including a back wiring board
mounting a connector having a surface mounted with first connectors; and

a plurality of shell-type plug-in units inserted in the subrack so that a <u>second</u> connector of each of the plug-in units is connected to <u>a corresponding one of the first</u> <u>connectors</u> the connector of the subrack[[,]];

wherein the subrack further comprises comprising:

a frame member comprising a substantially square metallic frame member, and a plurality of panes aligned within the frame member so as to form substantially rectangular openings that accommodate and surround the first back wiring board connectors between adjacent panes, the frame member being fixedly mounted on a the surface of the back wiring board disposed opposite the inserted edge of the plug-in unit,

wherein the plug-in unit having has a flexible, electrically conductive seal member shaped so as to surround the plug-in each second connector, and

the seal member elastically deforming is elastically deformed so as to contact the frame member when the plug-in unit is mounted in the subrack, and thereby to enclose the first and second connectors to provide a shield.

8. (currently amended) A telecommunications apparatus including comprising:
a substantially box-shaped subrack having including a back wiring board
mounting a connector and

a plurality of shell-type plug-in units inserted in the subrack so that a <u>second</u> connector of each of the plug-in units is connected to <u>a corresponding one of</u> the <u>first</u> <u>connectors</u> of the subrack, each plug-in unit <u>including comprising</u>:

a flexible, electrically conductive seal member shaped so as to surround the second plug-in-connector,

wherein the seal member is elastically deformed deforming so as to contact the back wiring board when the plug-in unit is mounted in the subrack, and thereby to enclose the first and second connectors to provide a shield.

9. (currently amended) The telecommunications apparatus as claimed in claim 1, wherein the seal member is made of a material selected from a group consisting of electrically conductive rubber, electrically conductive elastomer, electrically conductive sponge, electrically conductive plastic, electrically conductive gel rubber, electrically conductive silicon rubber, and dispenser gaskets or a dispense gasket.

10. (currently amended) A telecommunications apparatus including comprising:

a substantially box-shaped subrack having including a back wiring board

mounting a connector having a surface mounted with first connectors; and

a plurality of shell-type plug-in units inserted in the subrack so that a <u>second</u> connector of each of the plug-in units is connected to <u>a corresponding one of</u> the <u>first</u> <u>connectors</u> <u>connectors</u> <u>connectors</u> <u>connector of the subrack</u>, the subrack <u>further including</u> <u>comprising</u>:

a frame member comprising a substantially square metallic frame member; and a plurality of panes aligned within the frame so as to form substantially rectangular openings that accommodate and surround the back wiring board each second connector between adjacent panes, the frame member being fixedly mounted on a the surface of the back wiring board disposed opposite the inserted edge of the plug in unit; and

a seal member comprising a long, thin core spring member, a finger gasket that engages the core spring member and an electrically conductive cloth wrapped around the finger gasket, the seal member being mounted on inner sides of the frame member openings so as to extend over an entire interior surface of said openings,

wherein each the plug-in unit has having a cover part shaped so as to conform to the frame member openings and surround the second plug-in unit connector on a lateral surface of the plug-in unit inserted into the subrack, edge surfaces of the cover projecting beyond edges of the second plug-in unit connector, and

wherein the cover part is fitted into fitting the frame member openings when the plug-in unit is inserted into the subrack so as to elastically deform the finger gasket, so

that an elastic force of the elastically deformed finger gasket <u>causes</u> eausing the electrically conductive cloth to contact the cover part along an entire outer <del>periphery</del> peripheral surface of the cover part and provide a shield for the first and second connectors.

11. (currently amended) A shell-type plug-in unit enclosed by comprising:

a metal casing, containing a printed board therein, and configured to be inserted

into a substantially box-shaped subrack having a back wiring board mounting a connector

so that is mounted with first connectors and a flexible electrically conductive seal

member; and

a second connector of the plug-in unit is connected to the connector of the subrack, a corresponding one of the first connectors when the metal casing is inserted into the subrack;

wherein said metal casing has a lateral surface of the plug-in unit inserted into the subrack and surrounding the second plug-in unit connector and has having a substantially oblong banked portion with a tapered periphery, the tapered periphery statically deforming the seal member when the plug-in unit is inserted into the subrack, so as to enclose the first and second connectors to provide a shield.

12. (currently amended) A shell-type plug-in unit enclosed by comprising:

a metal casing, containing a printed board therein, and configured to be inserted into a substantially box-shaped subrack having a back wiring board mounting a connector so that a connector of the plug in unit is connected to the connector of the subrack, the

plug in unit having that is mounted with first connectors;

a second connector configured to connect to a corresponding one of the first connectors when the metal casing is inserted into the subrack; and

an electrically conductive optical fiber seal member having a through-hole of a size capable of admitting an optical fiber and a slit that extends from an external unit to the through-hole,

wherein the optical fiber seal member is being compressed after the optical fiber is has been passed through the slit and fitted in into the through-hole so as to engage an opening formed in on the metal casing of a size capable of admitting a plurality of optical fibers extending from a photoelectric conversion module mounted on the a-printed wiring board, to provide a shield with respect to the opening in the metal casing.

13. (currently amended) A shell-type plug-in unit enclosed by comprising:

a metal casing, containing a printed board therein, and <u>configured to be</u> inserted into a substantially box-shaped subrack having a back wiring board <del>mounting a connector</del> so that a connector of the plug-in unit is connected to the connector of the subrack, the plug-in unit having that is mounted with first connectors, and a frame member having openings exposing the first connectors;

a second connector configured to connect to a corresponding one of the first connectors when the metal casing is inserted into the subrack; and

a cover part shaped so as to conform to the frame member openings and surround the plug-in unit second connector on a lateral surface of the plug-in unit inserted into the

subrack, edge surfaces of the cover part projecting beyond edges of the plug-in-unit second connector,

said cover part providing a shield for the first and second connectors when the metal casing is inserted into the subrack.